

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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**UMICORE AG & CO. KG,**

Petitioner,

v.

**BASF CORPORATION**

Patent Owner.

**IPR2015-01121**

U.S. Patent 7,601,662

**PATENT OWNER'S PRELIMINARY RESPONSE TO PETITION  
FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 7,601,662  
PURSUANT TO 35 U.S.C. § 312 AND 37 C.F.R. § 42.104**

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Exhibit 2002	Cavataio, G., et. al., "Enhanced Durability of a Cu/Zeolite Based SCR Catalyst." SAE Int. J. Fuels. Lubr., Vol. 1, Issue 1 (2008).
Exhibit 2003	Declaration of Ahmad Moini in the <i>Inter Partes</i> Reexamination of U.S. Patent No. 7,601,662
Exhibit 2004	Second Declaration of Pramod Ravindran in the <i>Inter Partes</i> Reexamination of U.S. Patent No. 7,601,662
Exhibit 2005	Third Party Comments After Patent Owner's Response After ACP in the <i>Inter Partes</i> Reexamination of U.S. Patent No. 7,601,662
Exhibit 2006	USPTO Right of Appeal Notice for Reexamination of U.S. Patent No. 7,601,662
Exhibit 2007	Request for <i>Inter Partes</i> Reexamination in the proceedings of U.S. Patent No. 7,601,662
Exhibit 2008	Order Granting/Denying Request for <i>Inter Partes</i> Reexamination of U.S. Patent No. 7,601,662
Exhibit 2009	Declaration of Stacey I. Zones in the <i>Inter Partes</i> Reexamination of U.S. Patent No. 7,601,662
Exhibit 2010	Declaration of Gary L. Haller in the <i>Inter Partes</i> Reexamination of U.S. Patent No. 7,601,662
Exhibit 2011	Second Declaration of Ahmad Moini in the <i>Inter Partes</i> Reexamination of U.S. Patent No. 7,601,662
Exhibit 2012	Centi, G., et. al., "Nature of Active Species in Copper-Based Catalysts and their Chemistry of Transformation of Nitrogen Oxides," Applied Catalysis A: General, Vol. 132, Issue 2 (1995)

Exhibit 2013	Second Declaration of Stanley Roth in the <i>Inter Partes</i> Reexamination of U.S. Patent No. 7,601,662
Exhibit 2014	Kwak, J., et. al., "Excellent Activity and Selectivity of Cu-SSZ-13 in the Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> ," Journal of Catalysis (2010)
Exhibit 2015	Dedecek, J., et. al., "Effect of Framework Charge Density on Catalytic Activity of Copper Loaded Molecular Sieves on Chabazite Structure in Nitrogen (II) Oxide Decomposition," Collect. Czech. Chem. Commun., Vol. 65 (2000)

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